

FIG. 1

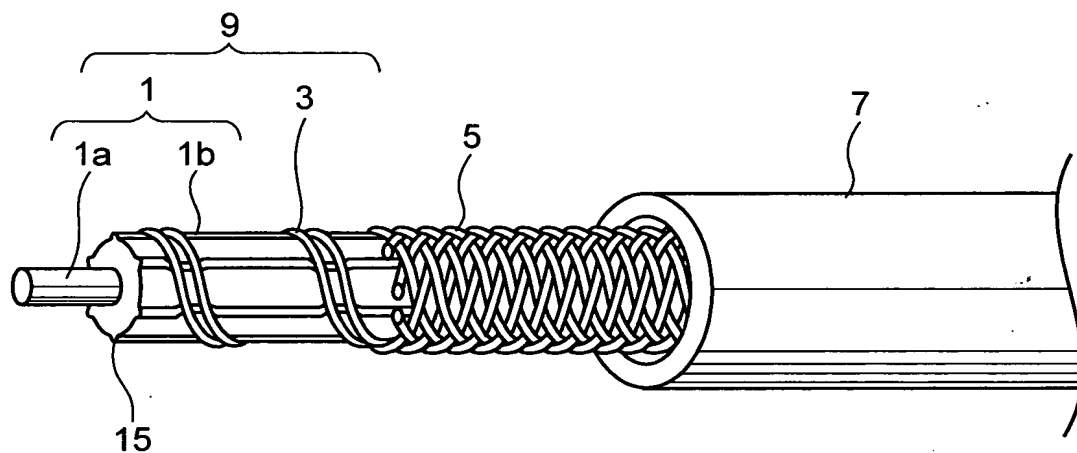


FIG. 2

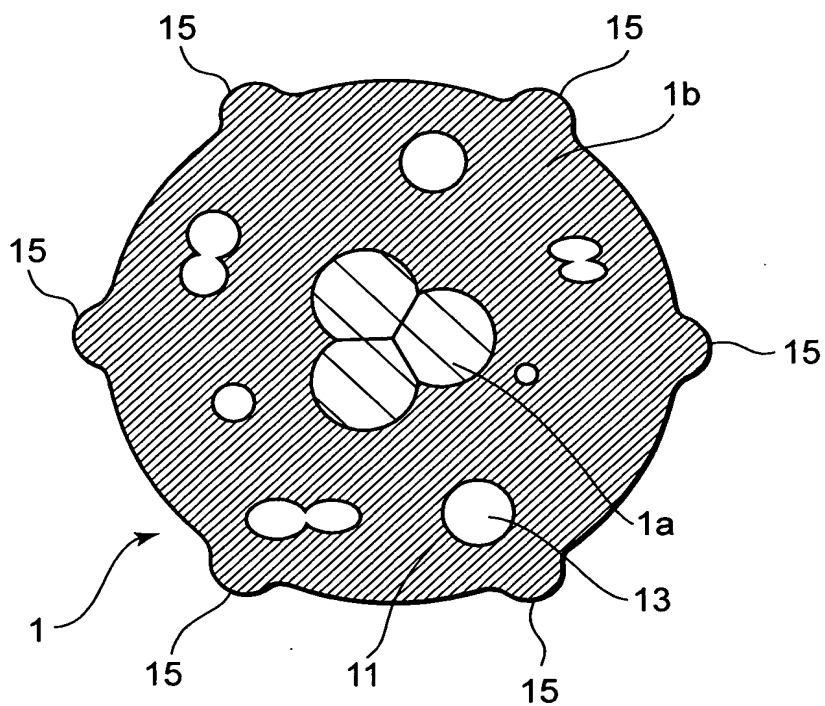


FIG. 3

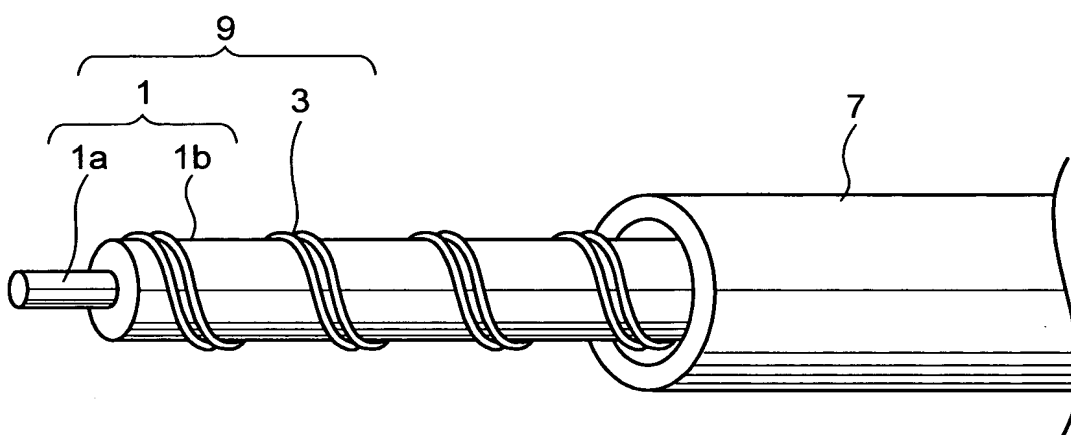


FIG. 4

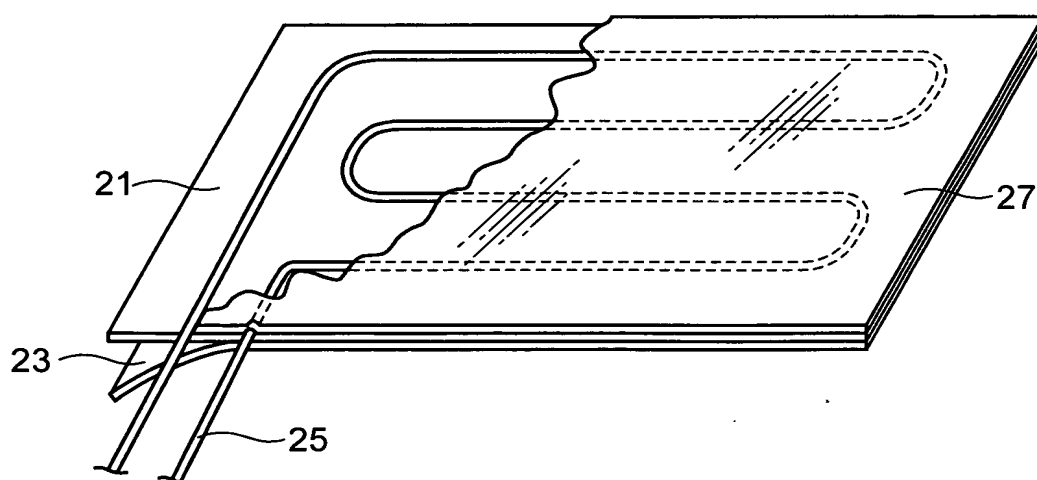


FIG. 5

	EXAMPLE 1	EXAMPLE 2	EXAMPLE 3	EXAMPLE 4	EXAMPLE 5	EXAMPLE 6	COMPARATIVE EXAMPLE 1	COMPARATIVE EXAMPLE 2
TENSILE RESISTANT MEMBER	GLASS CODE + SILICONE VARNISHING	GLASS CODE + SILICONE VARNISHING	GLASS CODE + SILICONE VARNISHING	GLASS CODE + SILICONE VARNISHING	GLASS CODE + SILICONE VARNISHING	GLASS CODE + SILICONE VARNISHING	GLASS CODE + SILICONE VARNISHING	GLASS CODE + SILICONE VARNISHING
ELASTIC MEMBER	100 WIT PARTS OF SILICONE RUBBER + 1 WIT PART OF FOAMING AGENT (AIBN)	100 WIT PARTS OF SILICONE RUBBER + 2 WIT PART OF FOAMING AGENT (AIBN)	100 WIT PARTS OF SILICONE RUBBER + 1 WIT PART OF FOAMING AGENT (AIBN)	100 WIT PARTS OF SILICONE RUBBER + 3 WIT PARTS OF POLYACETAL HOMOPOLYMER	100 WIT PARTS OF SILICONE RUBBER + 1 WIT PART OF FOAMING AGENT (AIBN)	100 WIT PARTS OF SILICONE RUBBER + 1 WIT PART OF FOAMING AGENT (AIBN)	SILICONE RUBBER NO FOAMING AGENT	SILICONE RUBBER NO FOAMING AGENT
OUTER DIAMETER	INSCRIBED CIRCLE: 1.6 mm CIRCUMSCRIBED CIRCLE: 1.8 mm (6 RADIAL PROTRUSIONS)	INSCRIBED CIRCLE: 1.6 mm CIRCUMSCRIBED CIRCLE: 1.8 mm (6 RADIAL PROTRUSIONS)	INSCRIBED CIRCLE: 1.6 mm CIRCUMSCRIBED CIRCLE: 1.8 mm (6 RADIAL PROTRUSIONS)	INSCRIBED CIRCLE: 1.6 mm CIRCUMSCRIBED CIRCLE: 1.8 mm (6 RADIAL PROTRUSIONS)	INSCRIBED CIRCLE: 1.6 mm CIRCUMSCRIBED CIRCLE: 1.8 mm (6 RADIAL PROTRUSIONS)	INSCRIBED CIRCLE: 1.6 mm CIRCUMSCRIBED CIRCLE: 1.8 mm (6 RADIAL PROTRUSIONS)	INSCRIBED CIRCLE: 1.6 mm CIRCUMSCRIBED CIRCLE: 1.8 mm (6 RADIAL PROTRUSIONS)	INSCRIBED CIRCLE: 1.6 mm CIRCUMSCRIBED CIRCLE: 1.8 mm (6 RADIAL PROTRUSIONS)
CONDUCTOR	CENTER: FLUX INCLUDED EUTECTIC SOLDER WIRE 0.6 mm $\phi$	CENTER: FLUX INCLUDED EUTECTIC SOLDER WIRE 0.6 mm $\phi$	CENTER: FLUX NOT INCLUDED EUTECTIC SOLDER WIRE 0.6 mm $\phi$	CENTER: FLUX INCLUDED EUTECTIC SOLDER WIRE 0.6 mm $\phi$	CENTER: FLUX INCLUDED EUTECTIC SOLDER WIRE 0.6 mm $\phi$	CENTER: FLUX INCLUDED EUTECTIC SOLDER WIRE 0.6 mm $\phi$	CENTER: FLUX NOT INCLUDED EUTECTIC SOLDER WIRE 0.6 mm $\phi$	CENTER: FLUX INCLUDED EUTECTIC SOLDER WIRE 0.6 mm $\phi$
INSULATING COVER	ETHYLENE COPOLYMER	ETHYLENE COPOLYMER	ETHYLENE COPOLYMER	ETHYLENE COPOLYMER	ETHYLENE PROPYLENE RUBBER	ETHYLENE COPOLYMER	ETHYLENE COPOLYMER	ETHYLENE COPOLYMER
SPACE LAYER (GLASS BRAID)	YES	YES	YES	YES	YES	NO	YES	YES
EXPERIMENT 1	183°C	183°C	183°C	183°C	183°C	183°C	183°C	183°C
EXPERIMENT 2	310°C	305°C	320°C	300°C	310°C	330°C	360°C	345°C

FIG. 6

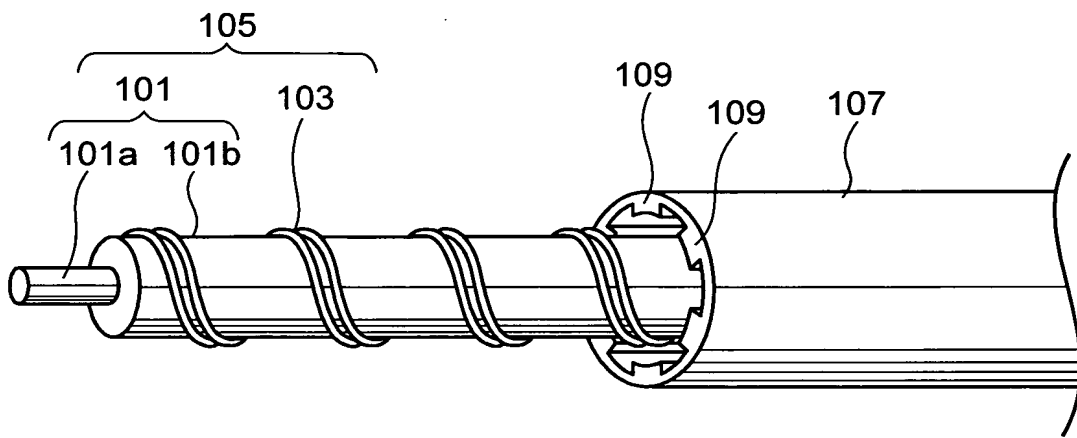


FIG. 7

	EXAMPLE 7	EXAMPLE 8	EXAMPLE 9	EXAMPLE 10
TENSILE RESISTANT MEMBER	GLASS CODE + SILICONE VARNISHING	GLASS CODE + SILICONE VARNISHING	GLASS CODE + SILICONE VARNISHING	GLASS CODE + SILICONE VARNISHING
ELASTIC MEMBER	100 W/T PARTS OF SILICONE RUBBER + 1 W/T PART OF FOAMING AGENT (AIBN)	100 W/T PARTS OF SILICONE RUBBER + 1 W/T PART OF FOAMING AGENT (AIBN)	100 W/T PARTS OF SILICONE RUBBER + 1 W/T PART OF FOAMING AGENT (AIBN)	100 W/T PARTS OF SILICONE RUBBER + 1 W/T PART OF FOAMING AGENT (AIBN)
OUTER DIAMETER	1.8 mm $\phi$	2.2 mm $\phi$	2.2 mm $\phi$	1.8 mm $\phi$
CONDUCTOR	CENTER: FLUX INCLUDED NON-LEAD SOLDER WIRE 0.5 mm $\phi$	CENTER: FLUX INCLUDED NON-LEAD SOLDER WIRE 0.5 mm $\phi$	CENTER: FLUX INCLUDED NON-LEAD SOLDER WIRE 0.5 mm $\phi$	CENTER: FLUX INCLUDED NON-LEAD SOLDER WIRE 0.5 mm $\phi$
INSULATING COVER	ETHYLENE COPOLYMER 6 INNER PROTRUSIONS 0.6 $\times$ 0.3 mm	ETHYLENE COPOLYMER 6 INNER PROTRUSIONS 0.6 $\times$ 0.3 mm	ETHYLENE COPOLYMER 6 INNER PROTRUSIONS 0.6 $\times$ 0.5 mm	ETHYLENE COPOLYMER NO INNER PROTRUSION
EXPERIMENT 1	217 °C	217 °C	217 °C	217 °C
EXPERIMENT 2	340 °C	310 °C	350 °C	370 °C

FIG. 8

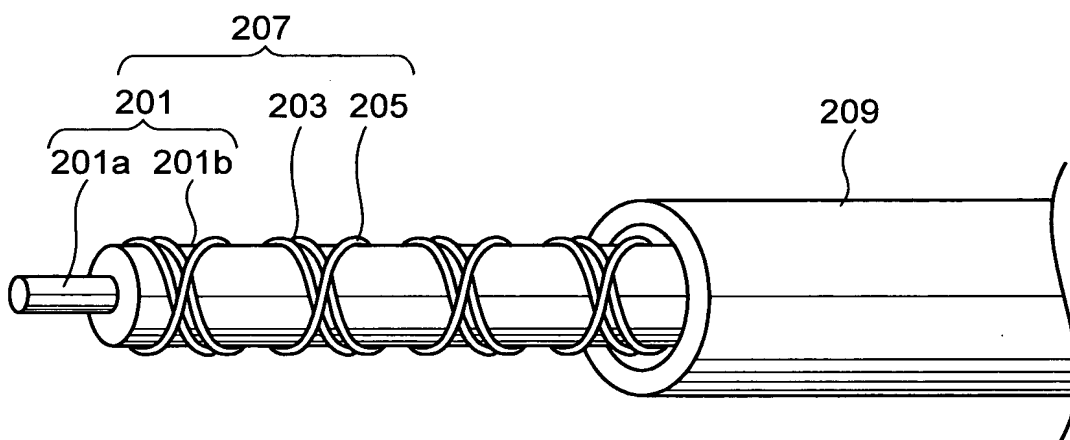


FIG. 9

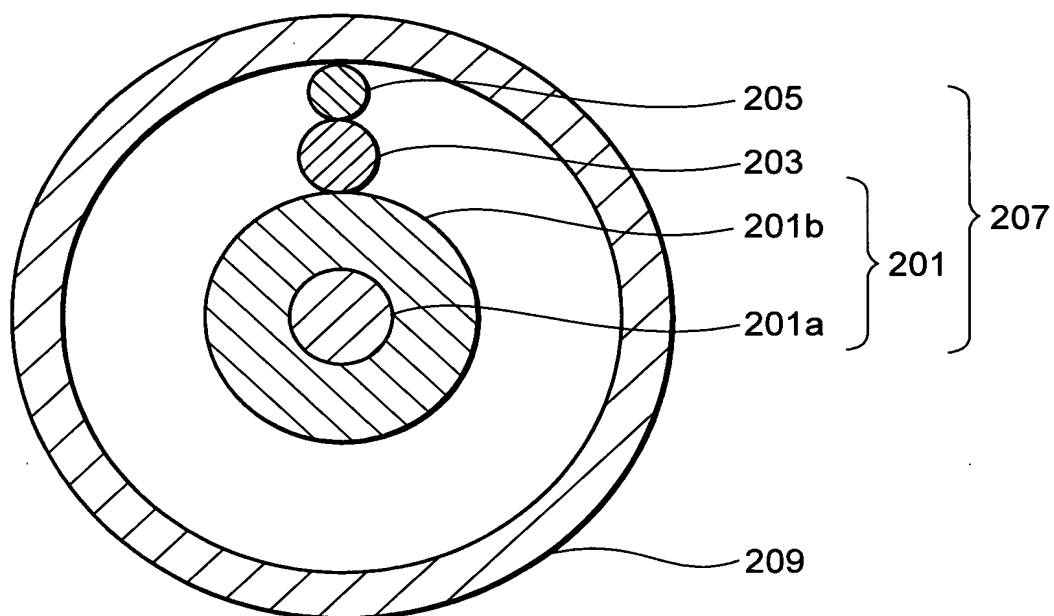


FIG. 10

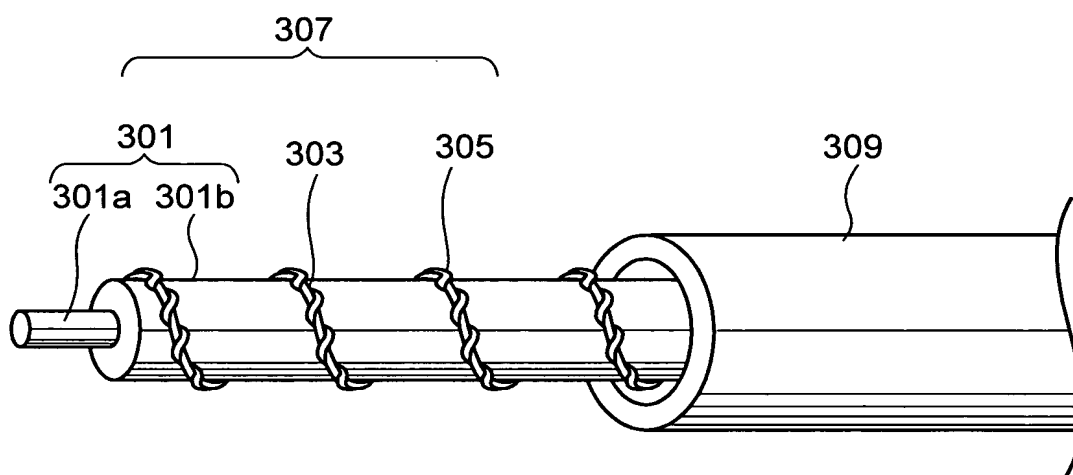


FIG. 11

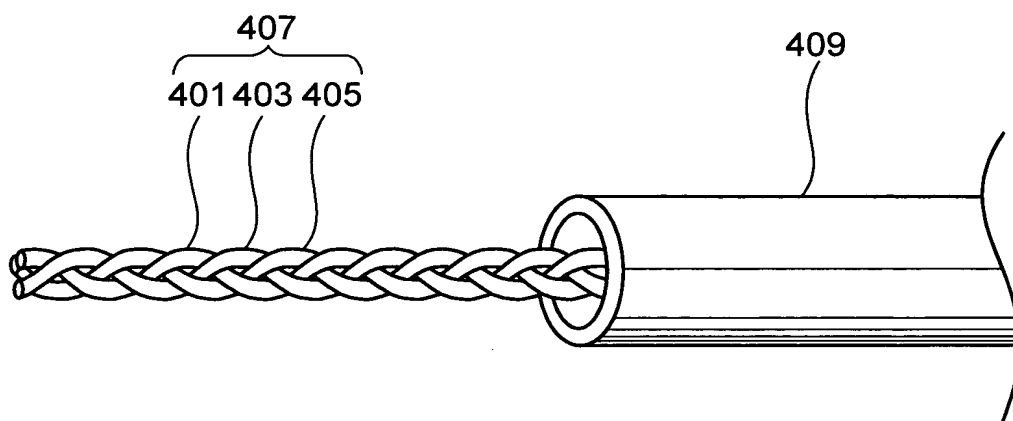


FIG. 12

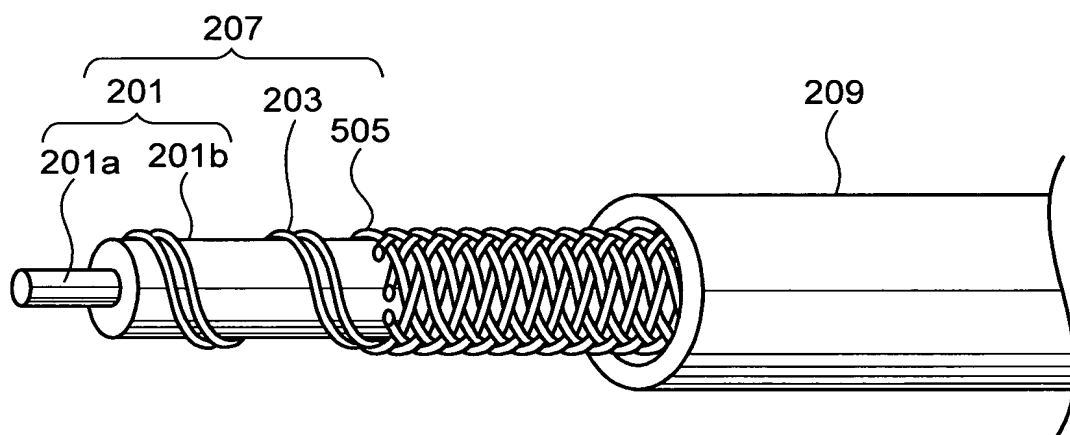




FIG. 13

	EXAMPLE 11	EXAMPLE 12	EXAMPLE 13	EXAMPLE 14
TENSILE RESISTANT MEMBER	GLASS CODE + SILICONE VARNISHING	GLASS CODE + SILICONE VARNISHING	NO	GLASS CODE + SILICONE VARNISHING
ELASTIC MEMBER	100 W/T PARTS OF SILICONE RUBBER + 1 W/T PART OF FOAMING AGENT (AIBN)	100 W/T PARTS OF SILICONE RUBBER + 1 W/T PART OF FOAMING AGENT (AIBN)	100 W/T PARTS OF SILICONE RUBBER + 1 W/T PART OF FOAMING AGENT (AIBN)	100 W/T PARTS OF SILICONE RUBBER + 1 W/T PART OF FOAMING AGENT (AIBN)
OUTER DIAMETER	1.8 mm $\phi$	1.8 mm $\phi$	1.2 mm $\phi$	1.8 mm $\phi$
CONDUCTOR	CENTER: FLUX INCLUDED NON-LEAD SOLDER WIRE 0.5 mm $\phi$	CENTER: FLUX INCLUDED NON-LEAD SOLDER WIRE 0.5 mm $\phi$	CENTER: FLUX INCLUDED NON-LEAD SOLDER WIRE 0.5 mm $\phi$	CENTER: FLUX INCLUDED NON-LEAD SOLDER WIRE 0.5 mm $\phi$
INSULATING COVER	ETHYLENE COPOLYMER	ETHYLENE COPOLYMER	ETHYLENE COPOLYMER	ETHYLENE COPOLYMER
LINE-SHAPED INSULATOR	POLYPHENYLENE SULFIDE MONOFILAMENT	POLYPHENYLENE SULFIDE MONOFILAMENT	POLYPHENYLENE SULFIDE MONOFILAMENT	***
EXPERIMENT 1	217 °C	217 °C	217 °C	217 °C
EXPERIMENT 2	330 °C	310 °C	350 °C	370 °C

FIG. 14

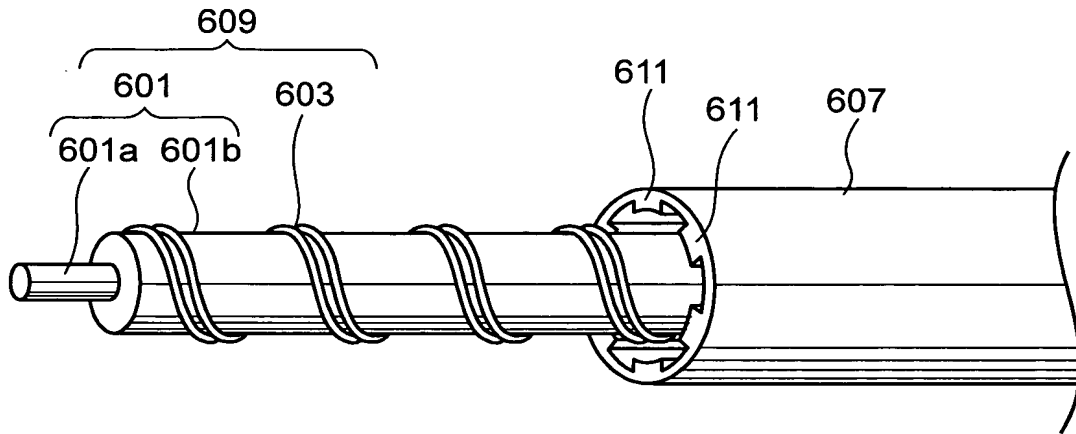


FIG. 15

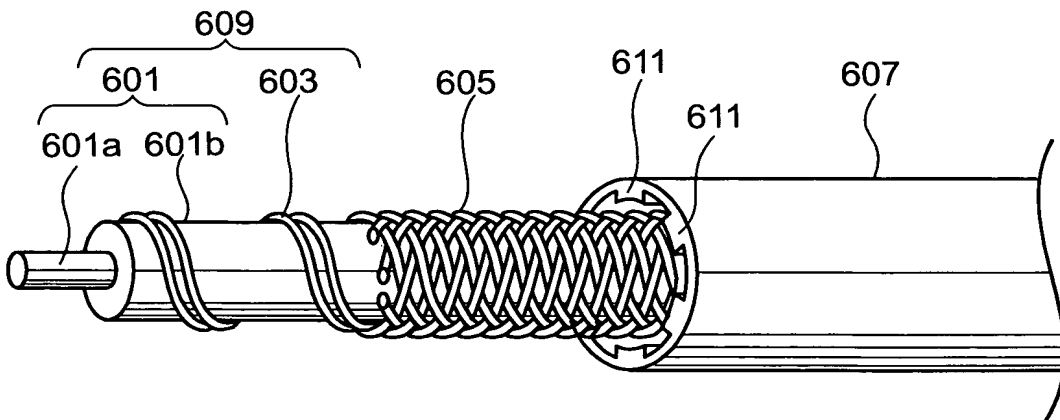


FIG. 16

	EXAMPLE 15	EXAMPLE 16	EXAMPLE 17	EXAMPLE 18.
TENSILE RESISTANT MEMBER	GLASS CODE + SILICONE VARNISHING	GLASS CODE + SILICONE VARNISHING	GLASS CODE + SILICONE VARNISHING	GLASS CODE + SILICONE VARNISHING
ELASTIC MEMBER	100 W/T PARTS OF SILICONE RUBBER + 1 W/T PART OF FOAMING AGENT (AIBN)	SILICONE RUBBER NO FOAMING AGENT	100 W/T PARTS OF SILICONE RUBBER + 1 W/T PART OF FOAMING AGENT (AIBN)	100 W/T PARTS OF SILICONE RUBBER + 1 W/T PART OF FOAMING AGENT (AIBN)
OUTER DIAMETER	1.8 mm $\phi$	1.8 mm $\phi$	1.8 mm $\phi$	1.8 mm $\phi$
CONDUCTOR	CENTER: FLUX INCLUDED NON-LEAD SOLDER WIRE 0.5 mm $\phi$	CENTER: FLUX INCLUDED NON-LEAD SOLDER WIRE 0.5 mm $\phi$	CENTER: FLUX INCLUDED EUTECTIC SOLDER WIRE 0.6 mm $\phi$	CENTER: FLUX INCLUDED NON-LEAD SOLDER WIRE 0.5 mm $\phi$
INSULATING COVER	ETHYLENE COPOLYMER + EP RUBBER (CONTRACTED) 6 INNER PROTRUSIONS 0.6 $\times$ 0.3 mm	ETHYLENE COPOLYMER + EP RUBBER (CONTRACTED) 6 INNER PROTRUSIONS 0.6 $\times$ 0.3 mm	ETHYLENE COPOLYMER + EP RUBBER (CONTRACTED) 6 INNER PROTRUSIONS 0.6 $\times$ 0.3 mm	ETHYLENE COPOLYMER + EP RUBBER (CONTRACTED) 6 INNER PROTRUSIONS 0.6 $\times$ 0.3 mm
SPACE LAYER(GLASS BRAID)	NO	NO	NO	YES
EXPERIMENT 1	217 °C	217 °C	183 °C	217 °C
EXPERIMENT 2	320 °C	370 °C	320 °C	320 °C
260 °C	72 hr	72 hr	72 hr	72 hr
280 °C	4 hr	4 hr	4 hr	4 hr
300 °C	2 hr	2 hr	2 hr	2 hr
EXP.3				
INSULATING CORE MEMBER				